

03040205-130
(Kingtree Swamp Canal)

General Description

Watershed 03040205-130 is located in Williamsburg, Florence, and Clarendon Counties and consists primarily of **Kingtree Swamp Canal** and its tributaries. The watershed occupies 44,202 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Lynchburg-Foreston-Fuquay-Rains-Goldsboro series. The erodibility of the soil (K) averages 0.14; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 41.1% agricultural land, 37.4% forested land, 18.1% scrub/shrub land, 3.2% forested wetland (swamp), and 0.2% urban land.

Kingtree Swamp Canal accepts drainage from several bays before draining into the Black River, including Smiths Bay, Findley Bay, and Sandy Bay. There are a total of 67.1 stream miles in this watershed and several ponds (totaling 20.2 acres), all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-358	W	FW	KINGSTREE SWAMP CANAL AT SC 527

Kingtree Swamp Canal (PD-358) - Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT	NPDES# TYPE LIMITATION
KINGSTREE SWAMP CANAL TRIBUTARY FERMPRO MANUFACTURING LP PIPE #: 01/02 FLOW: 2.455	SC0003123 MINOR INDUSTRIAL EFFLUENT

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME FACILITY TYPE	PERMIT # STATUS
WILLIAMSBURG COUNTY LANDFILL #1 INDUSTRIAL	IWP-114 -----

Growth Potential

There is a moderate potential for growth in this watershed, which contains a portion of the Town of Kingstree. The Kingstree area and the area abutting U.S. Hwy. 52 contain water and sewer infrastructure. The U.S. Hwy. 52 corridor has the potential for residential, commercial, and industrial growth in the future due to the combination of an increase in the capacity of the sewage treatment plant, one existing and two new proposed industrial areas, and an existing rail line. Outside of this area, the watershed is rural with predominately agricultural and timberland uses.